



ELECTRONIC TUBE REFERENCE

PJ8

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-vacuum triode, co-designated GL-5559/PJ-8, for amplification, relay, and electronic control applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4.5 V / 1.1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	8700 Ω
TRANSCONDUCTANCE	0.00133 S
AMPLIFICATION FACTOR	8.5
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM CATHODE CURRENT	40 mA
<i>Ratings and characteristics promoted from the supplied General Electric source where explicitly published.</i>	

GL-5559/PJ-8 high-vacuum triode for amplification, relay, and control applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	4.5 V	—
HeaterOrFilamentCurrent	1.1 A	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filamentvoltage . L	1 A	Published datasheet value; semantic OCR text extraction.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D-c plate voltage . 350	350 V	Published datasheet value; semantic OCR text extraction.
Plate dissipation	7.5 W	Published datasheet value; semantic OCR text extraction.
D-c plate voltage 350	350 V	Published datasheet value; semantic OCR text extraction.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D-cgrid voltage . . –	40 V	Published datasheet value; semantic OCR text extraction.
Plate dissipation	10 W	Published datasheet value; semantic OCR text extraction.
D-c plate voltage. . . 300	350 V	Published datasheet value; semantic OCR text extraction.
D-c grid voltage. . . . e e –100 –	150 V	Published datasheet value; semantic OCR text extraction.
D-c plate current. . . 30	40 mA	Published datasheet value; semantic OCR text extraction.
D-c grid current, approX. e e 2	10 mA	Published datasheet value; semantic OCR text extraction.
D-c plate voltage . . . 350	350 V	Published datasheet value; semantic OCR text extraction.
D-cgrid voltage . . –80 –	150 V	Published datasheet value; semantic OCR text extraction.
D-c plate current. . . e 35	40 mA	Published datasheet value; semantic OCR text extraction.
D-c grid current, approX. . e	10 mA	Published datasheet value; semantic OCR text extraction.